Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/02/2016 10:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124975	-1	3.21	124760	3.19
Blue	F	SSC	125000	123890	-1	3.21	124243	2.94
Blue	E	FITC	22946	22561	-2	2.52	1006	9.55
Blue	D	PE	28770	28530	-1	2.01	1026	9.36
Blue	B	PerCP-Cy5-5	51099	50863	-1	3.39	1463	16.74
Blue	A	PE-Cy7	42312	42414	0	5.05	659	34.47
Red	C	APC	52169	51887	-1	2.90	2985	9.39
Red	A	APC-Cy7	56705	55862	-2	2.99	1159	11.05
Violet	B	V450	14708	14182	-4	4.44	682	10.59
Violet	A	V500	58608	57326	-3	4.26	2549	7.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17858	17.86	602	4	N/A	N/A	Pass
Blue	F	SSC	61369	1.49	531	13	N/A	N/A	Pass
Blue	E	FITC	113	37.93	538	7	0.0250	267	Pass
Blue	D	PE	224	27.04	535	9	0.1700	200	Pass
Blue	B	PerCP-Cy5-5	231	43.21	631	9	0.0102	55	Pass
Blue	A	PE-Cy7	70	117.49	680	9	0.0126	15	Pass
Red	C	APC	349	26.91	592	2	0.0208	41	Pass
Red	A	APC-Cy7	126	40.43	576	0	0.0059	1853	Pass
Violet	B	V450	83	61.14	467	8	0.0481	5604	Pass
Violet	A	V500	184	39.12	496	8	0.0147	6015	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-30.97	-30.66	0.86
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	15.90	13.27 - 19.91	N/A	N/A	31.08	31.35	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9749

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments